

Date Searched: 10/28/2005

Databases Searched: USPAT, USPGPUB

PluraLs: ON

Terms Searched:

L1 ((programmable or configurable) adj2 (device or block or array)) or plb or pld or cpld or fpga or pga or cla or clb

L2 node near5 (direct\$2 or immediate\$2) near10 (output\$4 near3 boundary)

Results: 0 hit

L3 (strategic or critical) near3 node

L4 node same (direct\$2 or immediate\$2) same (output\$4 near3 boundary)

Results: 11 hits

L5 (merg\$3 or combin\$3 or join\$3) same (predecessor or preced\$3 or previous or prior) same node same (logic adj cone)

Results: 0 hit

L6 (merg\$3 or combin\$3 or join\$3) same (predecessor or preced\$3 or previous or prior) same node

L6 1 and (3 or 4) and 6

Results: 9 hits

L7 ((programmable or configurable) adj2 (device or block or array)) or pld or cpld or fpga or pga

L8 716/1-18.ccls.

L9 (map\$4 or synthesi\$7 or convert\$3 or conversion or transform\$6 or translat\$4)

L10 (combin\$3 or join\$4 or merg\$3) same (cone or group\$3 or cluster or term or sop)

L11 Results: 301 hits

L12 boundary or input or output or "i/o" or "i/os" or port or fanin or fanout

L13 (immediate\$2 or direct\$2) same (predecessor or preced\$3 or prior or previous or before) same 4

L14 11 and 12 and 13

Results: 3 hits

L15 11 and 13

Results: 3 hits

L16 (predecessor or preced\$3 or prior or previous or before) same 4

L17 11 and 16

Results: 45 hits

L18 ((cover\$3 or cone or group\$3 or cluster\$8 or merg\$3 or combin\$3 or join\$3) same (predecessor or preced\$3 or previous or prior or before) same (po or (primary adj output) or strategic\$3 or critical or fanout or fan-out or (output\$4 near3 boundary)))

L19 7 and 8 and 9 and 18

Results: 40 hits

US 6594808 B1 USPAT Kale; Sudhakar et al. 716/8

US 6148433 A USPAT Chowdhary; Amit et al. 716/1

US 5359537 A USPAT Saucier; Gabriele et al. 716/18

US 6289488 B1 USPAT Dave; Bharat P. et al. 716/1

US 20030182645 A1 US-PGPUB Fairbanks, Brent Alan 716/5

US 20020178432 A1 US-PGPUB Kim, Hyungwon et al. 716/18

US 6832357 B2 USPAT Saluja; Sanjeev et al. 716/2

US 6601221 B1 USPAT Fairbanks; Brent Alan 716/5

US 6080204 A USPAT Mendel; David Wolk 716/7

US 6038386 A USPAT Jain; Gitu 716/16

US 5974242 A USPAT Damarla; T. Raju et al. 716/2

US 5610829 A USPAT Trimberger; Stephen M. 716/16

US 5461577 A USPAT Shaw; Ching-Hao et al. 716/17

US 5128871 A	USPAT Schmitz; Nicholas A.	716/17	
US 4703435 A	USPAT Darringer; John A. et al.	716/18	
US 20040133869 A1	US-PGPUB	Sharma, Sunil Kumar	716/16
US 20040088663 A1	US-PGPUB	Wu, Qinghong et al.	716/6
US 6622291 B1	USPAT Ginetti; Arnold	716/9	
US 5835751 A	USPAT Chen; Nang-Ping et al.	716/16	
US 6336208 B1	USPAT Mohan; Sundararaj Rao et al.	716/16	

**\*\*Interference Search\*\***

Databases Searched: USPGPUB

Plurals: ON

Terms Searched:

L1 (((programmable or configurable) adj2 (device or block or array)) or plb or pld or cpld or fpga or pga or cla or clb) and (cover\$3 or cone or group\$3 or cluster\$8 or merg\$3 or combin\$3 or join\$3) and (predecessor or preced\$3 or previous or prior or before) and (po or (primary adj output) or strategic\$3 or critical or fanout or fan-out or (output\$4 near3 boundary))).clm.

Results: 48 hits

Databases searched: EPO, JPO, IBM TDB, Derwent

Plurals: ON

Terms Searched:

L1 ((cover\$3 or cone or group\$3 or cluster\$8 or merg\$3 or combin\$3 or join\$3) same (predecessor or preced\$3 or previous or prior or before) same (po or (primary adj output) or strategic\$3 or critical or fanout or fan-out or (output\$4 near3 boundary)))

L2 ((programmable or configurable) adj2 (device or block or array)) or pld or cpld or fpga or pga

L3 (map\$4 or synthesi\$7 or convert\$3 or conversion or transform\$6 or translat\$4)

L4 1 and 2 and 3

Results: 5 hits

L5 ((programmable or configurable) adj2 (device or block or array)) or plb or pld or cpld or fpga or pga or cla or clb

L6 (strategic or critical) near3 node

L7 node same (direct\$2 or immediate\$2) same (output\$4 near3 boundary)

L8 (merg\$3 or combin\$3 or join\$3) same (predecessor or preced\$3 or previous or prior or before) same node

L9 5 and (6 or 7) and 8

Results: 0 hit

NN81081455 IBM\_TDB

Database Searched: IEE/IEEE Xplore

Terms Searched: ((cover\* or cone or group\* or cluster\* or merg\* or combin\* or join\*) and (predecessor or preced\* or previous or prior or before) and (po or (primary <near/1> output) or strategic\* or critical or fanout or fan-out or (output\* <near/3> boundary))) and (((programmable or configurable) <near/2> (device or block or array)) or pld or cpld or fpga or pga) and (map\* or synthesi\* or convert\* or conversion or transform\* or translat\*)

Results: Your search matched 5 of 1250969 documents.

Terms Searched: ((cover\* or cone or group\* or cluster\* or merg\* or combin\* or join\*) and (po or (primary <near/1> output) or strategic\* or critical or fanout or fan-out or (output\* <near/3> boundary))) and (((programmable or configurable) <near/2> (device or block or array)) or pld or cpld or fpga or pga) and (map\* or synthesi\* or convert\* or

conversion or transform\* or translat\*)

Results: Your search matched **31** of **1250969** documents

Terms Searched: (((programmable or configurable) <near/2> (device or block or array)) or  
plb or pld or cpld or fpga or pga or cla or clb) and  
((strategic or critical or direct\* or immediate\*) <near/3> (node or (output\* <near/3> boundary)))  
and (merg\* or combin\* or join\* or group\* or cluster\*) and (predecessor or preced\* or previous or  
prior or before)

Results: Your search matched **0** documents.

Terms Searched: (((programmable or configurable) <near/2> (device or block or array)) or  
plb or pld or cpld or fpga or pga or cla or clb) and  
((strategic or critical or direct\* or immediate\*) <near/3> (node or (output\* <near/3> boundary)))  
and (merg\* or combin\* or join\* or group\* or cluster\*)

Results: Your search matched **2** of **1250969** documents.

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	48	((((programmable or configurable) adj2 (device or block or array)) or plb or pld or cpld or fpga or pga or cla or clb) and (cover\$3 or cone or group\$3 or cluster\$8 or merg\$3 or combin\$3 or join\$3) and (predecessor or preced\$3 or previous or prior or before) and (po or (primary adj output) or strategic\$3 or critical or fanout or fan-out or (output\$4 near3 boundary))).clm.	US-PGPUB	OR	ON	2005/10/28 15:16